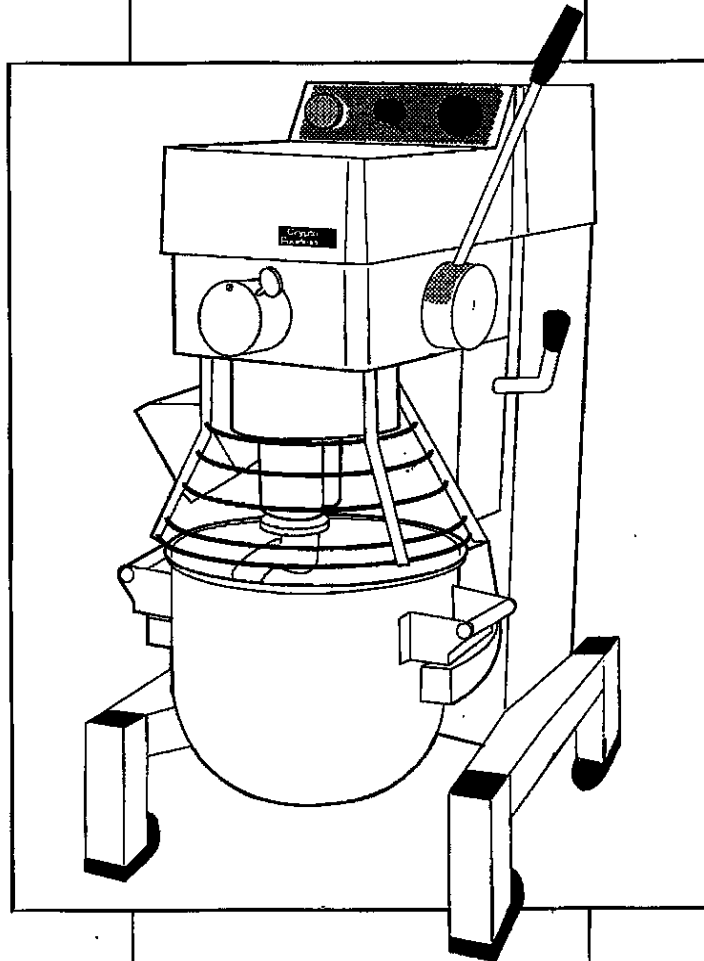


**Crypto
Peerless**

**EM12
EM20
EM30
EUROMIXER**

DB Azerbaijan "

OUT



**INSTALLATION
OPERATION
MAINTENANCE
INSTRUCTIONS**

CE

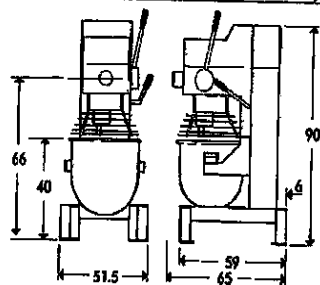
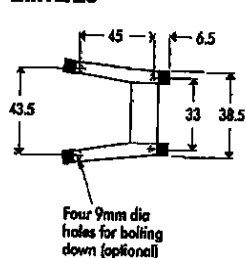
ISSUE 3 PREPARED JUNE 1995

EM12/20/30 EUROMIXER

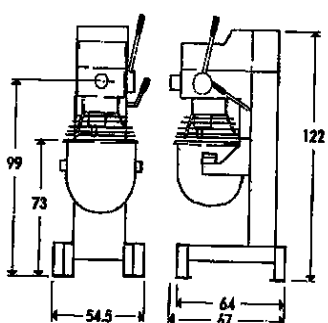
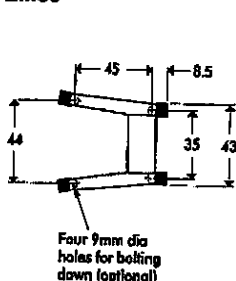
SPECIFICATION

Model	EM12	EM20	EM30	
Bowl Size	12 litres	20 litres	30 litres	
Capacity (up to)				
Light Roll Dough	7 kg	10 kg	15 kg	
Sponge Cake	3.6 kg	6.4 kg	11.5 kg	
Whipping Cream	2.8 litres	4.5 litres	6.75 litres	
Motor	1 hp	1 hp	1 hp	
Electrics	100V/50Hz/1ph/9A f/c 110V/60Hz/1ph/9A f/c 200V/50Hz/1ph/5A f/c 208-220V/60Hz/1ph/5A f/c 208-220V/60Hz/3ph/4.2A f/c 220-240V/50Hz/1ph/5A f/c 380-415V/50Hz/3ph/2.3A f/c			
Speeds	Planetary: Beater Shaft	30 - 145 rpm. 68 - 330 rpm.		
Dimensions (h x w x d cm)		90 x 52 x 66	122 x 52 x 66	
Weight	Gross Net	146 Kg 96 kg	150 Kg 100 kg	160 Kg 110 kg
Standard Equipment	Stainless Steel Bowl with Beater/Whisk/Spiral Dough Hook. Attachment Hub. Bowl Guard (optional in certain countries)			

EM12/20



EM30



Because of continual improvements strict accuracy of description cannot be guaranteed.

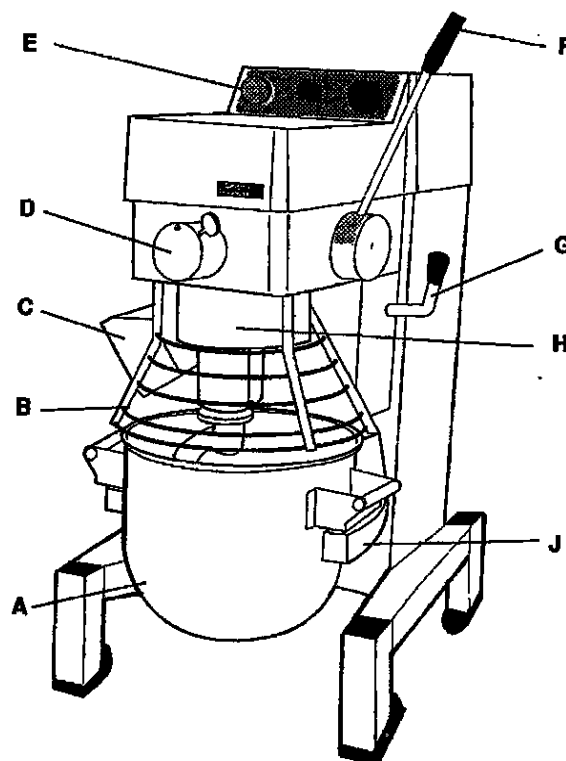
GUARANTEE

Crypto Peerless guarantees that, for a period of one year from the date of despatch from our works or the date of sale by one of our approved distributors, it will make good any defect in goods of its own manufacture arising from faulty design, material or workmanship, provided that no alteration, addition or repair has been carried out except by Crypto Peerless, or its approved Service Agent, and provided that such defective part(s) or the machine be returned to the company's nearest authorised service depot, carriage paid. Where the date of delivery to the end user is in excess of 12 months from the date of despatch from Crypto Peerless, our guarantee will be null and void unless special agreement has been reached with our Service Agent. The guarantee in respect of water heating elements does not cover replacement due to failure for reasons of hard water scale build up, or overheating due to being run dry. This guarantee does not cover fluorescent tubes used on Insect-A-Kill units. The guarantee card supplied with this machine should be completed and returned to Crypto Peerless without delay to ensure prompt response if problems should occur. If the guarantee card is missing a replacement will be supplied on request.

Choice of bench or floor standing planetary mixers designed for commercial use by the professional user. With a bowl capacity of 12, 20 or 30 litres, the mixer has variable speed control to let you select the precise speed you require for any mix. There is no clutch and it is not necessary to stop the machine to change speed. For safety the mixer is fitted with a bowl guard (optional in certain countries) and features no volt release.

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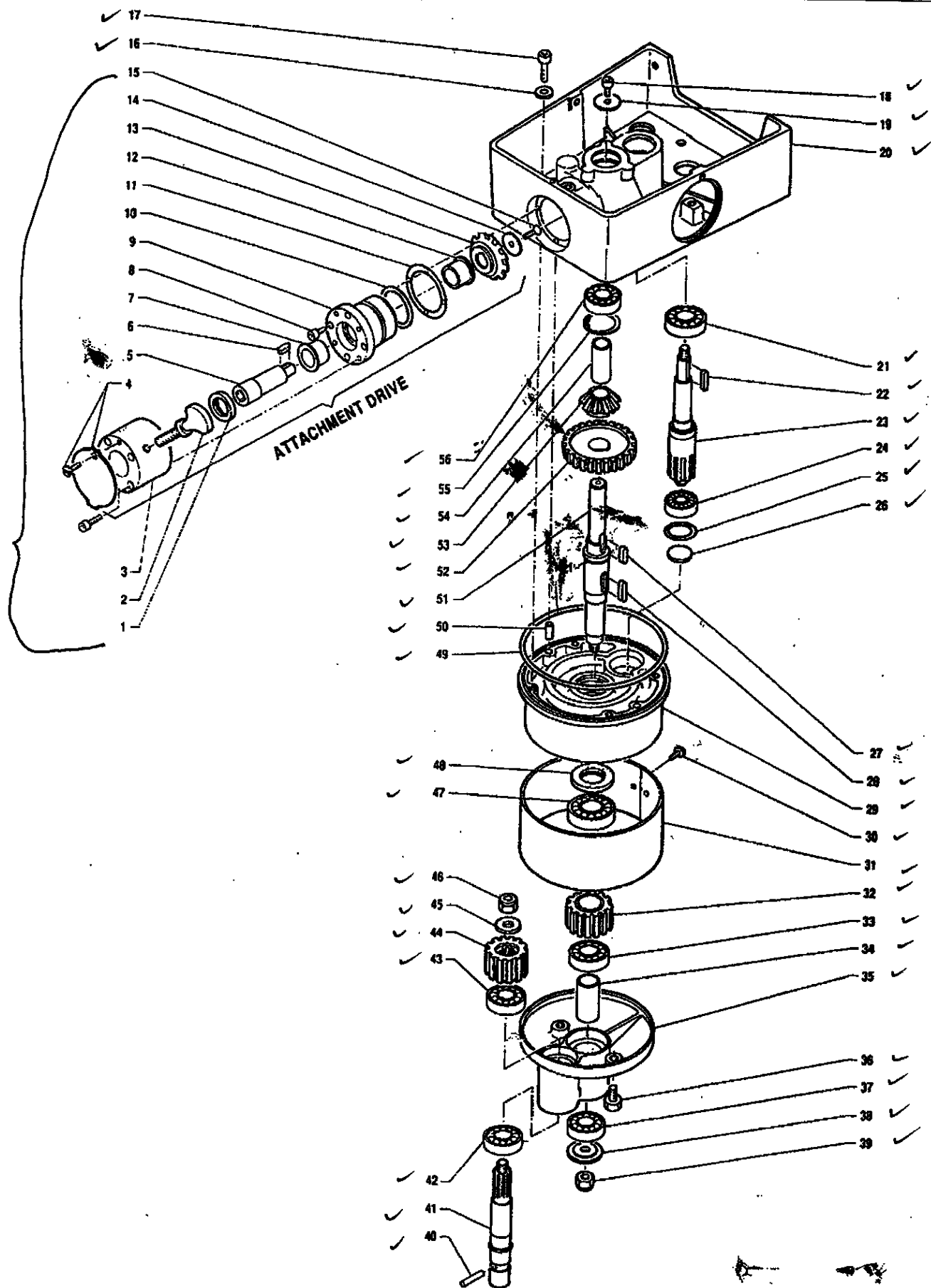
- | | |
|----------------------|-------------------------|
| (a) bowl | (f) speed control lever |
| (b) bowl guard | (g) bowl lift lever |
| (c) additions chute | (h) planetary |
| (d) attachment drive | (j) bowl cradle |
| (e) control panel | |

Figure 1

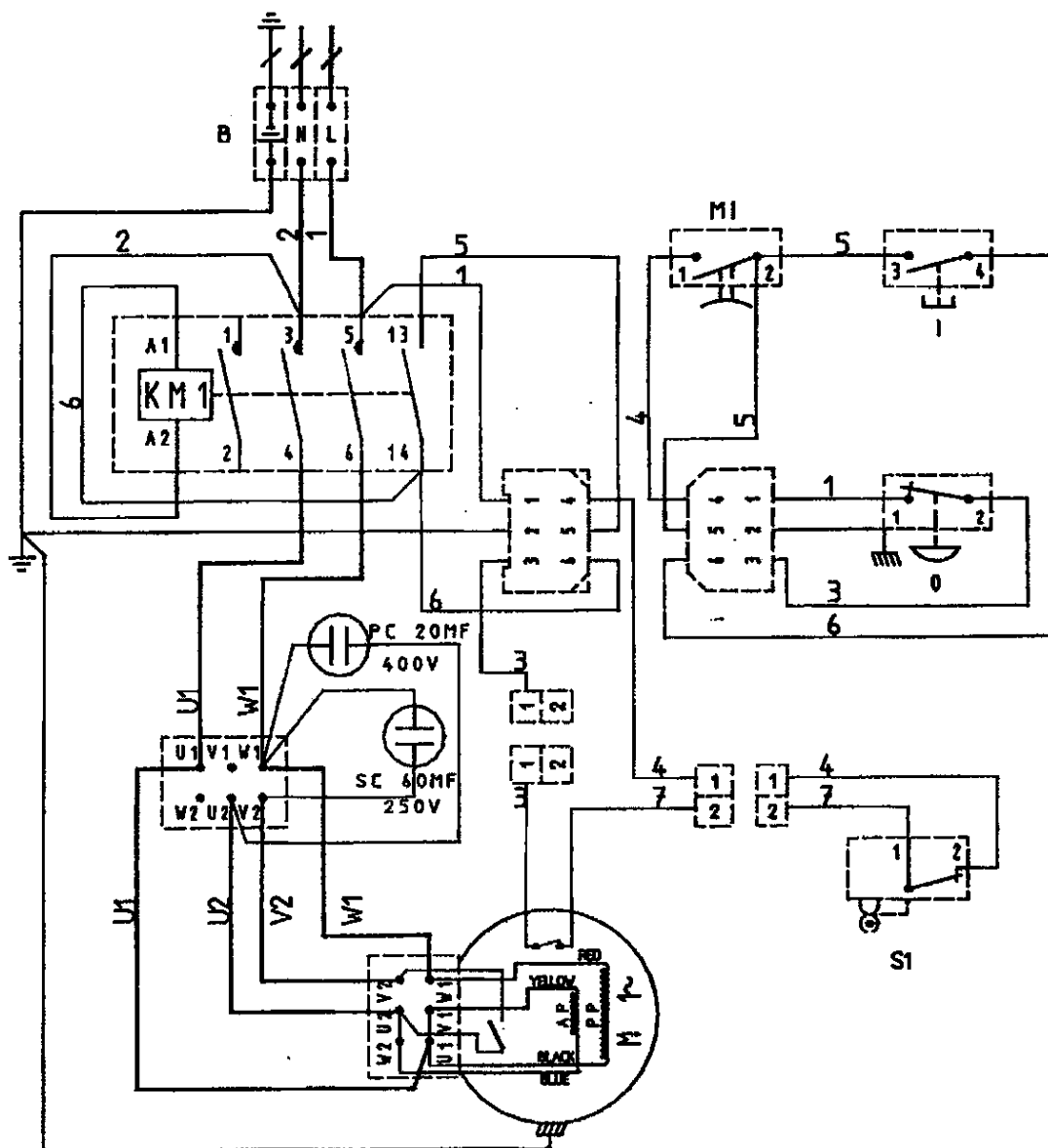
PLANETARY ASSEMBLY

Item	Qty	Part No	Description	SUB-ASSEMBLIES
1	1	DS12959	Oil seal 30x40x7 ✓	DS12370 Drive shaft assembly
2	1	DS04851	Thumbscrew M10x30 ✓	(items 40 + 41 + 45 + 46)
3	4	DS03608	Screw CHC M6x20 ✓	DS11361 Sun shaft assembly
	1	DS12824	Hub ✓	(items 18 + 19 + 27 + 28 + 38 + 39 + 51)
4	1	DS03530	Screw F M4x6 ✓	DS11362 Shaft pinion assembly
	1	DS12825	Coverplate ✓	(items 22 + 23 + 115 + 116)
5	1	DS12950	Shaft attachment ✓	DS12373 Housing lower assembly, without gear wheel
6	1	DS10844	Key A 6x6x20 ✓	(items 33 to 37) + (40 to 43) + 45 + 46)
7	1	DS12147	Bush flanged ✓	DS11365 Casing crown with screw
8	4	DS03351	Screw CHC M5x16 ✓	(items (33 to 37) + (40 to 43) + 45 + 46)
9	1	DS10834	Sheath ✓	DS13375 Head assembly EM20/EM30
10	1	DS10176	O ring ø 55, 25x2, 62 ✓	(items 16 to 56)
11	1	DS10839	Paper gasket ✓	DS12376 Complete attachment drive assembly
12	1	DS12147	Bush flanged ✓	(items 1 to 15)
13	1	DS10838	Bevel gear ✓	
14	1	DS04404	Washer ✓	
15	1	DS03552	Screw FHC M6x16 ✓	
16	4	DS10833	Washer special ✓	
17	3	DS06414	Screw CHC M8x75 ✓	
18	1	DS03611	Screw CHC M8x20 ✓	
19	1	DS03607	Screw CHC M6x16 ✓	
20	1	DS04404	Washer ✓	
21	1	DS10811	Body ✓	
22	1	DS03043	Bearing 6205 ✓	
23	1	DS04032	Key A 5x5x30 ✓	
24	1	DS10813	Shaft pinion ✓	
25	1	DS10889	Bearing 6302 ✓	
26	1	DS10814	O ring ✓	
27	1	DS10888	Washer 30x2, 5 ✓	
28	1	DS08385	Key C 8x7x25 ✓	
29	1	DS10823	Key A 8x7x30 ✓	
30	1	DS10830	Casing crown ✓	
31	1	DS03633	Screw RL M5x12 ✓	
32	1	DS10831	Sleeve ✓	
33	1	DS10822	Gearwheel ✓	
34	1	DS03043	Bearing 6205 ✓	
35	1	DS10824	Spacer ✓	
36	2	DS10827	Housing lower ✓	
37	1	DS03520	Screw H M10x16 ✓	
38	1	DS03043	Bearing 6204 ✓	
39	1	DS06115	Washer special ✓	
40	1	DS03675	Nut, Nyloc M10 ✓	
41	1	DS06470	Drive pin G02 8x34 ✓	
42	1	DS12393	Drive shaft ✓	
43	1	DS03043	Bearing 6205 ✓	
44	1	DS03042	Bearing 6204 ✓	
45	1	DS12394	Gearwheel ✓	
46	1	DS03759	Washer L10 ✓	
47	1	DS03675	Nut, Nyloc M10 ✓	
48	1	DS03044	Bearing 6206 ✓	
49	1	DS06737	Oil seal 34x52x8 ✓	
50	2	DS10832	O ring ✓	
51	1	DS06756	Dowel pin 8x20 ✓	
52	1	DS11355	Sun shaft ✓	
53	1	DS10820	Gear wheel ✓	
54	1	DS10818	Bevel gear ✓	
55	1	DS10816	Spacer ✓	
56	1	DS03075	Circlips, internal dia. 52 ✓	
		DS03051	Bearing 6304 ✓	

PLANETARY ASSEMBLY



ELECTRICAL DIAGRAM - 1PH SUPPLY



ALTERNATIVE ELECTRICAL SUPPLIES				
Electrical Supply	Motor	Relay	Capacitor	
			Start	Run
100V/50Hz /1ph	DS12962	DS08877	DS8878	DS08872(2)
110V/60Hz /1ph	DS12961	DS08877	DS8878	DS08873(2)
200V/50Hz/1ph	DS12963	DS08876	DS8870	DS08874
208/220V/60Hz /1ph	DS12674	DS08876	DS8866	DS08871

230V/50Hz/1ph ELECTRICAL SUPPLY

Item	Part No.	Description
0	12163	Stop Button
I	DS12164	Start Button
M1	DS11472	Timer
KM1	DS03332	Contactor
B	DS12152	Terminal block
M	DS07631	Motor single phase
SC	DS03364	Starting Capacitor
PC	DS06389	Permanent Capacitor
S1	DS05336	Microswitch (Bowl/Guard safety)

MOTOR & DRIVE ASSEMBLY

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Item	Qty	Part No	Description
101	2	DS02654	Nut H M6
102	1	DS04358	Stud, M6x20
	1	DS07637	Stud, M6x35
103	1	DS04419	Arm
104	1	DS03702	Grooved pin, G01 6x30
105	2	DS03775	Washer spring M8
106	2	DS03611	Screw CHC M8x20
107	1	DS04417	Hub
108	1	DS10845	Stud
109	1	DS10856	Housing
110	1	DS04869	Circlips, internal dia. 80
111	2	DS04861	Bearing 6010
112	1	DS04868	Circlips, internal dia. 80
113	1	DS10854	Flange, lower driven
114	1	DS10852	Flange, upper driven
115	1	DS03758	Washer M10
116	1	DS03675	Nut, Nyloc M10
117	1	DS10864	Screw CHC M6x60
118	3	DS03351	Screw CHC M5x16
119	3	DS05270	Washer, spring W5
120	1	DS03774	Washer, spring W6
121	1	DS04466	Cap
122	1	DS04432	Spring
123	1	DS10859	Flange, upper motor
124	1	DS03801	Washer
125	1	DS10857	Belt 900W 25
126	1	DS10861	Flange, lower motor
127	4	DS03507	Screw H M6x16
128	4	DS03779	Contact washer CS L6
129	4	DS03611	Screw CHC M8x20
130	4	DS03789	Washer CS Z8

Item	Qty	Part No	Description
131	1	DS10865	Plate motor
132	1	DS10844	Key A 6x6x20
133	1	*	Motor
134	1	DS12867	Knob
135	1	DS04426	Lever
136	1	DS03779	Contact washer CS L6
137	1	DS03505	Screw H M6x12
138	2	DS03653	Nut M6
139	2	DS07637	Stud M6x35
140	1	DS04436	Spring
141	1	DS04425	Speed control lever
142	1	DS04927	Hood
143	1	DS03315	Screw RL M4x8
144	1	DS03700	Grooved pin 5x30
145	1	DS04435	Spring, torsion
146	1	DS04427	Control shaft

* See electrical diagram.

SUB ASSEMBLIES

DS12377 Complete housing [Items (109 to 112)]

DS12378 Flange, lower driven with housing [Items (109 to 130)]

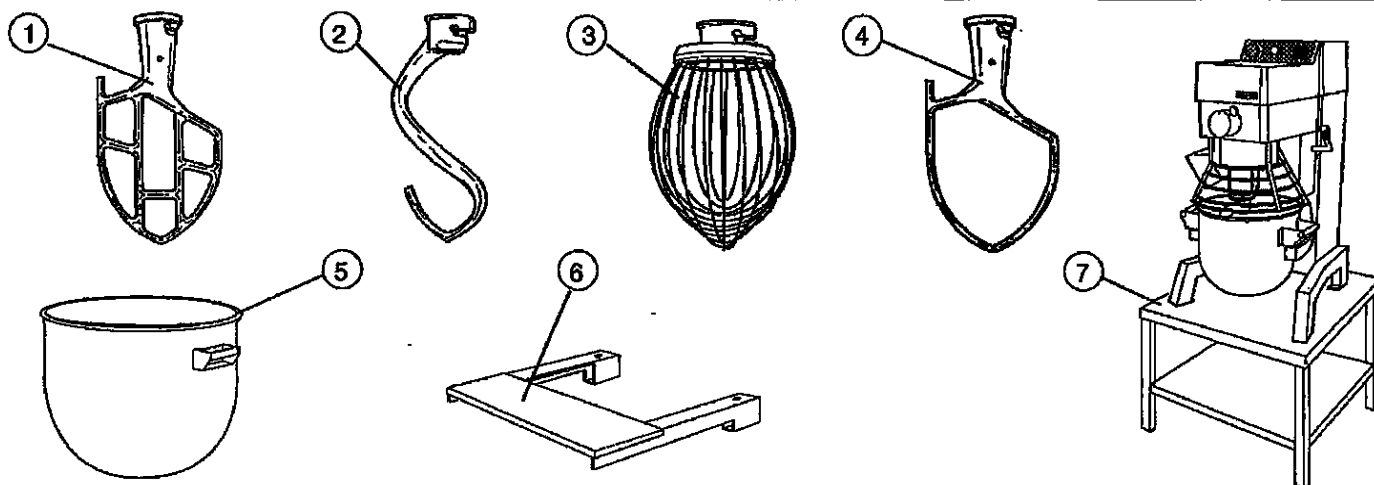
DS12379 Flanges driven [Items (109 to 116)]

DS02380 Flanges motor [Items (117 to 124) + 126]

DS07276 Lever with knob [Items 134 + 135]

DS07280 Speed lever [Items (101 to 108) + (134 to 146)]

EQUIPMENT



EM12/20 MODELS

Item	Part No	Description
1	DS06226	Beater for 10 litre Bowl
	DS12782	Beater for 12 litre Bowl
	DS06228	Beater for 20 litre Bowl/Whisk
2	DS06225	Spiral Dough Hook for 10 litre Bowl
	DS12781	Spiral Dough Hook for 12 litre Bowl
	DS06227	Spiral Dough Hook for 20 litre Bowl
3	DS06234	Whisk for 10 litre Bowl
	DS12783	Whisk for 12 litre Bowl
	DS06224	Whisk for 20 litre Bowl
4	DS12773	Pastry Knife for 20 litre bowl
5	DS06237	Bowl - 10 litres capacity
	DS12779	Bowl - 12 litres capacity
	DS06238	Bowl - 20 litres capacity
6	DS12784	Receiving Tray
7	DS34893	Stand - Static
	DS34894	Stand - Mobile

EM30 MODEL

Item	Part No	Description
1	DS10915	Beater for 30 litre Bowl
	DS06228	Beater for 20 litre Bowl
2	DS0912	Spiral Dough Hook for 30 litre Bowl
	DS06227	Spiral Dough Hook for 20 litre Bowl
3	DS10918	Whisk for 30 litre Bowl
	DS06224	Whisk for 20 litre Bowl
4	DS12774	Pastry Knife for 30 litre Bowl
	DS12773	Pastry Knife for 20 litre Bowl
5	DS10802	Bowl - 30 litres capacity
	DS10803	Bowl - 20 litres capacity
6	DS12784	Receiving Tray

MOTOR & DRIVE ASSEMBLY

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